

ATTORNEY DOCKET NO. 20000389.ORI (ANSI01-00009)

U.S. SERIAL NO. 09/670,062

PATENT

AMENDMENTS TO THE CLAIMS:

1 1. (Currently Amended) A medical lead, comprising:
2 a lead body having an insulator and at least one conductor, wherein the insulator includes at
3 least one welding region defined by an area where insulating material is removed to expose at least
4 a portion of the at least one conductor;

5 at least one conductive pad within the welding region, the conductive pad electrically
6 connected to the conductor; and

7 a band welded to the conductive pad within the welding region to electrically connect the
8 band to the conductor. *new method?*

1 2. (Original) A medical lead, as in Claim 1, wherein the welding region comprises a groove
2 cut in the insulator.

1 3. (Original) A medical lead, as in Claim 2, wherein the groove runs parallel to the
2 conductor.

1 4. (Original) A medical lead, as in Claim 1, wherein the conductive pad is electrically
2 connected to the conductor using a method selected from the group consisting of welding,
3 conductive adhesives, crimping.

ATTORNEY DOCKET NO. 20000389.ORI (ANSI01-00009)
U.S. SERIAL NO. 09/670,062
PATENT

1 5. (Currently Amended) A medical lead, as in Claim 1, wherein the conductive pad comprises
2 is composed of a metal selected from the group consisting of stainless steel, MP35N, platinum, gold,
3 silver, copper and vanadium.

B1 1 6. (Original) A medical lead, as in Claim 1, wherein the band is selected from the group
2 consisting of a band electrode, a band connector, and a sensor.

1 7. (Currently Amended) A medical lead, as in Claim 1, wherein the band further comprises
2 comprising a plurality of projections on an inner wall of a lumen, wherein the projections space the
3 inner wall from an outer surface of the lead body.

1 8. (Original) A medical lead, as in Claim 7, wherein at least three projections are positioned
2 around the inner wall to center the lead body within the lumen.

1 9. (Currently Amended) A medical lead, comprising:
2 a lead body having an insulator and at least one conductor, wherein the insulator includes at
3 least one welding region;
4 at least one elongated conductive element having a distal end and a proximal end electrically
5 connected to the conductor within the welding region; and

ATTORNEY DOCKET NO. 20000389.ORI (ANST01-00009)
U.S. SERIAL NO. 09/670,062
PATENT

6 a band ~~welded to the~~ end of the elongated conductive element to electrically connect
7 the band to the conductor.

1 10. (Original) A medical lead, as in Claim 9, wherein the welding region comprises a groove cut
2 in the insulator.

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1 11. (Original) A medical lead, as in Claim 10, wherein the groove runs parallel to the
2 conductor.

1 12. (Original) A medical lead, as in Claim 9, wherein the elongated conductive element is
2 selected from the group consisting of wire, ribbon wire, and cable.

1 13. (Previously Amended) A medical lead, as in Claim 9, wherein the elongated
2 conductive element is electrically connected to the conductor using a method selected from the group
3 consisting of welding, crimping and conductive adhesives.

1 14. (Currently Amended) A medical lead, as in Claim 9, wherein the elongated conductive
2 element comprises ~~is composed of~~ a material selected from the group consisting of stainless steel,
3 MP35N, platinum, gold, silver, copper and vanadium.

ATTORNEY DOCKET NO. 20000389.ORI (ANSI01-00009)
U.S. SERIAL NO. 09/670,062
PATENT

1 15. (Original) A medical lead, as in Claim 9, wherein the band is selected from the group
2 consisting of a band electrode, a band connector, and a sensor.

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3 16. (Currently Amended) A medical lead, as in Claim 9, wherein the band further comprises
comprising a plurality of projections on an inner wall of a lumen, wherein the projections space the
inner wall from an outer surface of the lead body.

1 17. (Original) A medical lead, as in Claim 16, wherein at least three projections are
2 positioned around the inner wall to center the lead body within the lumen.

18. - 29. (Withdrawn)

ATTORNEY DOCKET NO. 20000339, ORI (ANSI01-00009)
U.S. SERIAL NO. 09/670,862
PATENT

1 30. (New) A medical lead, comprising

2 a lead body having an insulator and at least one conductor, wherein the insulator includes at
3 least one welding region defined by a groove formed in the insulator to expose at least a portion of
4 the at least one conductor;

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5 at least one conductive pad within the welding region, the conductive pad electrically
6 connected to the conductor; and

7 a band welded to the conductive pad within the welding region to electrically connect the
8 band to the conductor.

1 31. (New) A medical lead, as in Claim 31, wherein the groove runs parallel to the conductor.

1 32. (New) A medical lead, as in Claim 31, wherein the conductive pad is electrically connected
2 to the conductor using a method selected from the group consisting of welding, conductive
3 adhesives, crimping.